

Application: No. 09/850,363

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19. A real-time insulin test system comprising at least one reservoir and at least one photomultiplier detector;

wherein said reservoir comprises monoclonal anti-insulin or anti-C peptide capture antibodies coated onto a surface of said reservoir, and

wherein said reservoir receives a sample, a wash solution, and labeled monoclonal anti-insulin or anti-C peptide antibodies useful as a tracer; and

wherein said labeled antibodies allow photometrical detection.

20. The test system according to claim 19, wherein the labeled monoclonal anti-insulin or anti-C peptide antibodies are present in dried form in said reservoir.

21. The test system according to claim 19, wherein said labeled monoclonal anti-insulin or anti-C peptide antibodies are labeled by a chemiluminescent label.

22. The test system according to claim 19, wherein the reservoir is a microtiter well.

23. The test system according to claim 19, wherein said sample is obtained by a probe arranged to be introduced in the *Vena splenica* and/or *Vena porta*.

24. The test system according to claim 20, wherein said sample is obtained by a probe arranged to be introduced in the *Vena splenica* and/or *Vena porta*.

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25. The test system according to claim 21, wherein said sample is obtained by a probe arranged to be introduced in the *Vena splenica* and/or *Vena porta*.

26. The test system according to claim 22, wherein said sample is obtained by a probe arranged to be introduced in the *Vena splenica* and/or *Vena porta*.

27. The test system according to claim 19, wherein a result is obtainable in less than thirty minutes.

28. The test system according to claim 19, wherein the test system is transportable.

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